

King County DNRP Water Quality Index

STATION **KTHA03** WATER YEAR **2014**

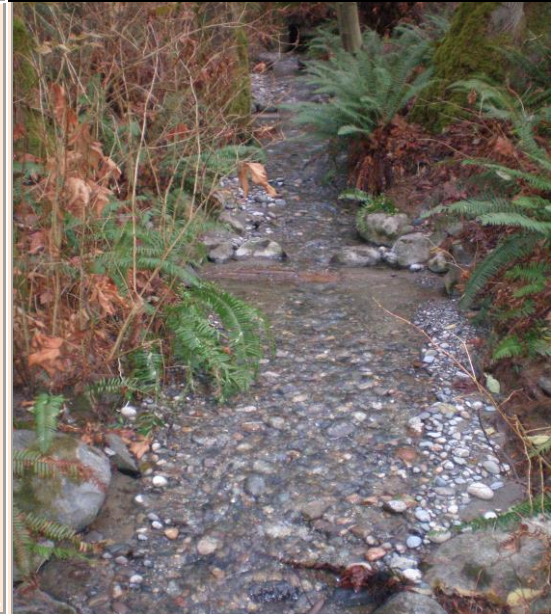
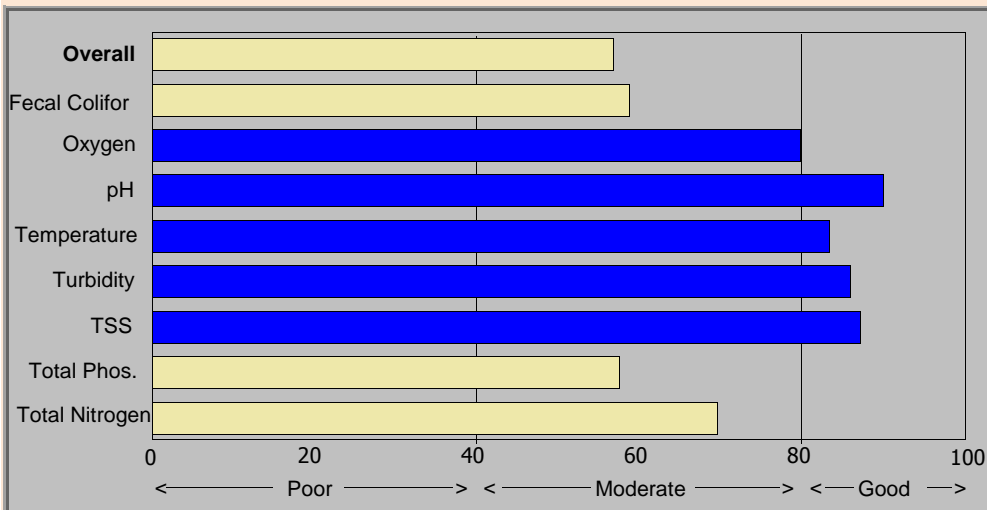
GAUGE # **68c** **Piper's Creek at Venema**

Overall Index **57**

King County has monitored water quality in the Pipers Creek basin at three locations. Station KTHA03 is located at the mouth of Venema Creek. Monitoring at this station began in 1988 but was discontinued in 2008 due to budget cutbacks. However, regular monitoring was reinstated in February of 2013. The Pipers Creek basin encompasses 1,835 highly urbanized acres in the City of Seattle. The creek flows five miles before draining into Puget Sound at Carkeek Park Beach. The upper portion of the watershed (approximately 80% of the total watershed area) is an urbanized upper plateau occupied primarily by single-family residences with some small businesses and multifamily housing. Chum and coho salmon have been consistently spotted in Pipers Creek.

Annual Water Quality Index Scores

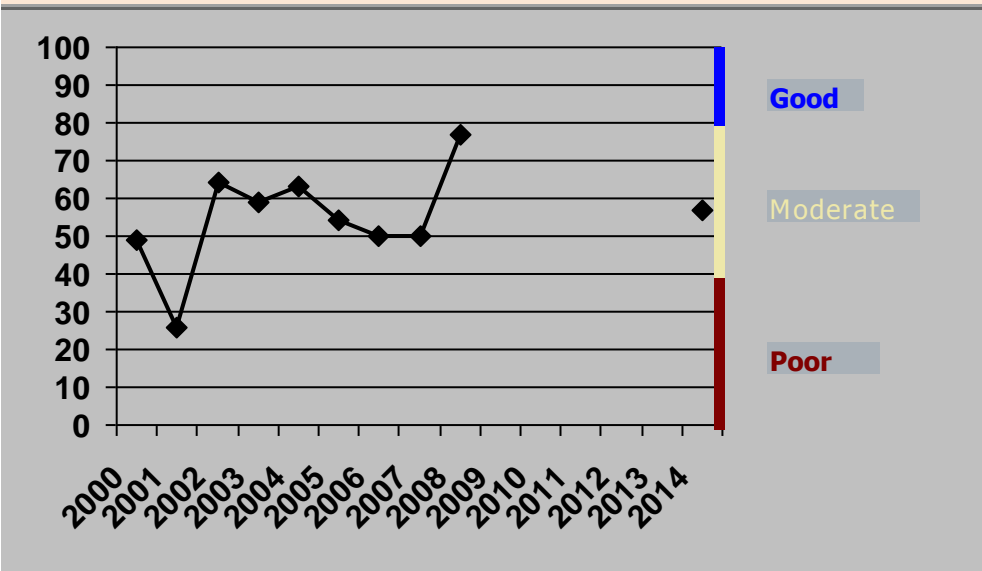
Water quality was MODERATE based on data collected 10/1/2013 to 9/30/2014.



Monthly Scores For Water Year 2014

Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
52	87	85	80	85	74	84	84	78	78	44	90

WQI Score Comparison By Water Year



About The Water Quality Index:

The Water Quality Index (WQI) score is a unit-less number ranging from 10 to 100: the higher the number, the higher the water quality. Scores are calculated from data collected during the monthly routine sampling. For temperature, pH, fecal coliform bacteria, turbidity, and dissolved oxygen, the index expresses results relative to levels required to maintain beneficial uses according to criteria in Washington's Water Quality Standards, WAC 173-201A. For nutrient and sediment measures where there are no standard, results are expressed relative to guidelines for this eco-region. Results from the eight parameters are aggregated over time to produce a single score for each sample station. In general, stations scoring 80 and above did not fail water quality standards or guidelines and are of "low concern", scores 40 to 80 indicate "moderate concern", and water quality at stations with scores below 40 are of "high concern". For more information about the WQI please visit <http://green.kingcounty.gov/WLR/Waterres/StreamsData/WQI.aspx>

For more information about this creek please visit our website at <http://green.kingcounty.gov/WLR/Waterres/StreamsData/streamlist.aspx>